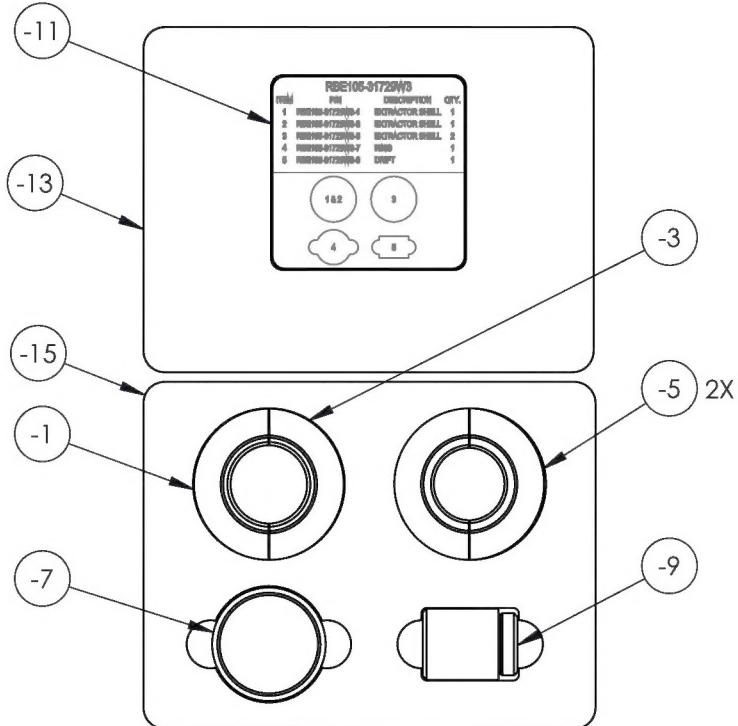


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/1/2016	RJC	JAG



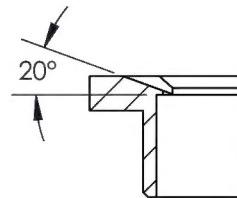
NOTE:  
REFERENCE EUROCOPTER T/N 105-31729W3.



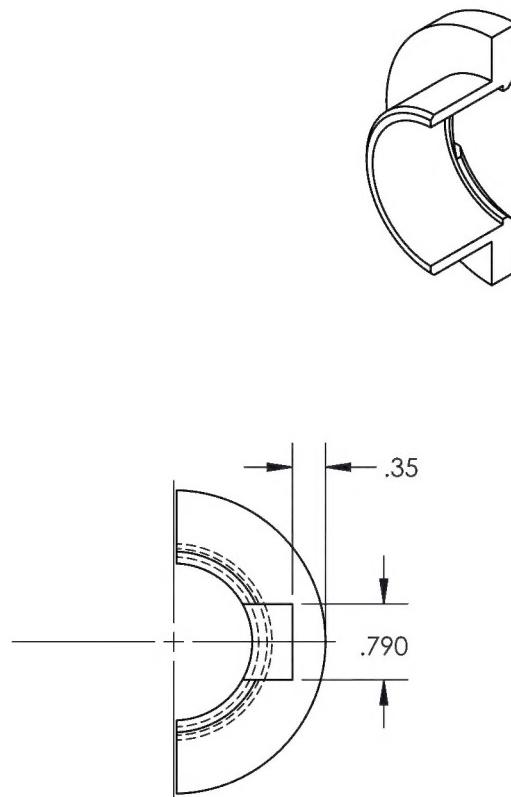
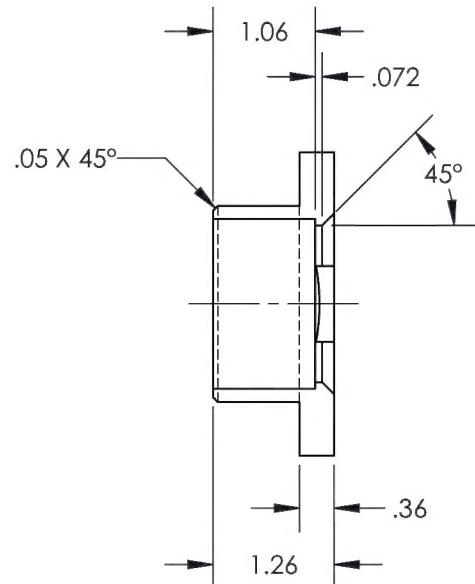
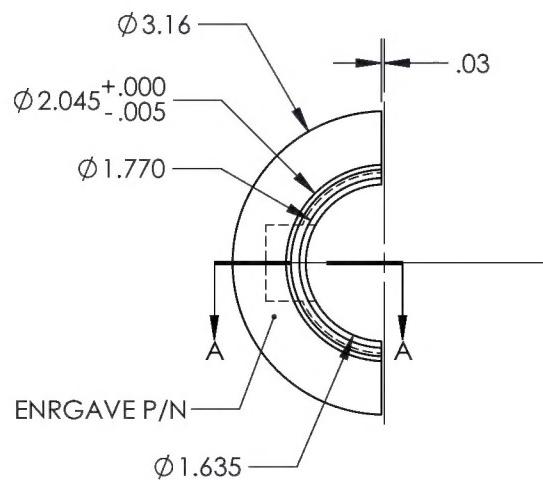
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	TITLE EXTRACTOR ASSEMBLY			
									DWG NO.	RBE105-31729W3		REV 1
		-1	1	EXTRACTOR SHELL	4140/4142			2	MATT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
		-3	1	EXTRACTOR SHELL	4140/4142			3	HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8		
		-5	2	EXTRACTOR SHELL	4140/4142			4	FINISH	.XX ± .01 ANGLES ± .5°		
		-7	1	RING	4140/4142 Q & T			5	SPEC	.X ± .1 SURFACES = 125		
		-9	1	DRIFT	4140/4142			6	DRAWN BY:	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
		-11	1	LOCATION PLACARD	PLASTIC			7	CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
	B/O	-13	1	LID FOAM	Y20 BLACK	1.19 X 7.19 X 9.37 (I.R. SPECIALTY)		8	OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
	B/O	-15	1	BOTTOM FOAM	Y20 BLACK	2.93 X 7.23 X 9.41 (I.R. SPECIALTY)		9	QA APPR:	USED ON MODEL		
	B/O	-17	1	CASE	PLASTIC	PELICAN CASE #AP-1200-E		N/S	APPROVED:	LINDSAY		EC145
	B/O		1	DART PLACARD	ALUMINUM	RB41011		N/S	SCALE	1:4	DATE	12/29/2015
										SHEET 1 OF 9		

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SECTION A-A



EXTRACTOR SHELL

(-1)

DART AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-1
REV	1
MATERIAL 4140/4142	
HEAT RC 38-42	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	EC145
SCALE 1:2	DATE 12/29/2015
SHEET 2 OF 9	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± 5°

.X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING

3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

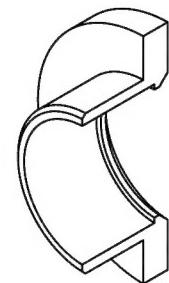
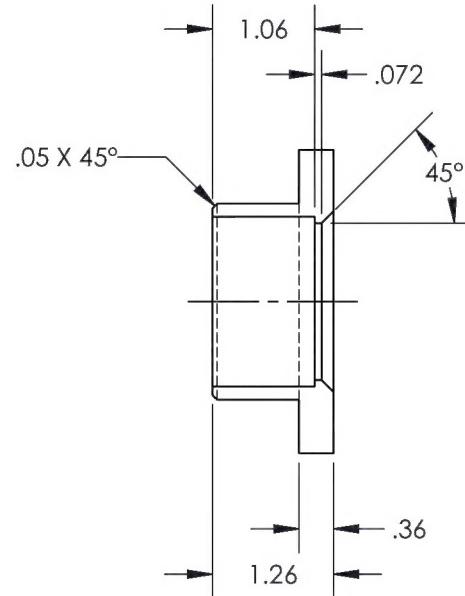
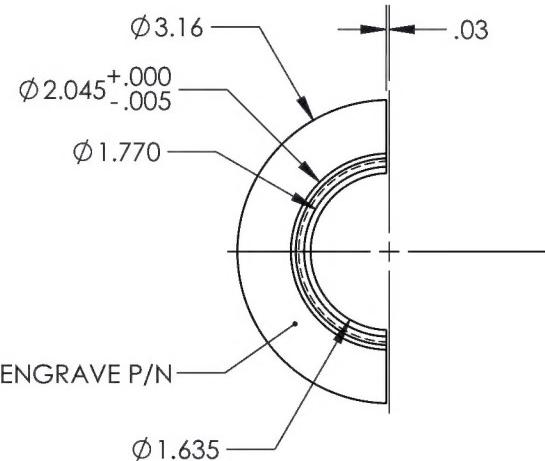
USED ON MODEL

EC145

SCALE 1:2 DATE 12/29/2015 SHEET 2 OF 9

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(3)

EXTRACTOR SHELL

DART AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-3
REV	1
MATERIAL 4140/4142	
HEAT RC 38-42	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	EC145
SCALE 1:2	DATE 12/29/2015
SHEET 3 OF 9	

**DART**  
AEROSPACE

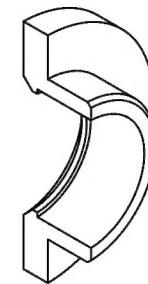
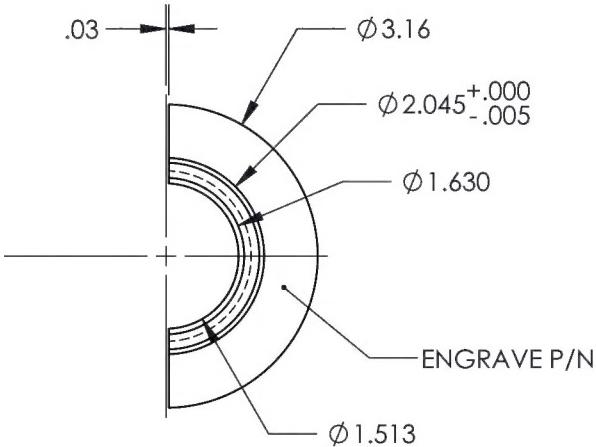
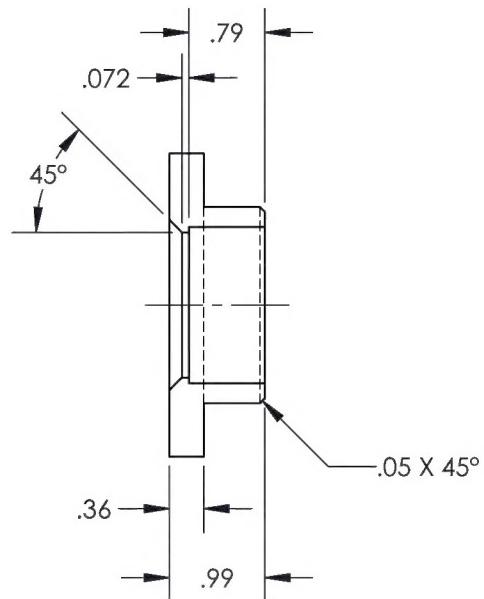
EXTRACTOR ASSEMBLY

RBE105-31729W3-3

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .005 FRACTIONS ± 1/8  
.XX ± .01 ANGLES ± 5°  
X ± .1 SURFACES = 125 ✓  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009  
USED ON MODEL  
EC145  
12/29/2015  
SHEET 3 OF 9

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
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EXTRACTOR SHELL

(-5)

<b>DART</b> AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	
RBE105-31729W3-5	
REV 1	
MATERIAL 4140/4142	
HEAT RC 38-42	
TREAT	
FINISH ZINC PLATE	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	EC145
SCALE 1:2	DATE 12/28/2015
SHEET 4 OF 9	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .005 FRACTIONS ± 1/8  
.XX ± .01 ANGLES ± 5°  
X ± .1 SURFACES = 125

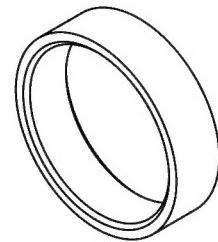
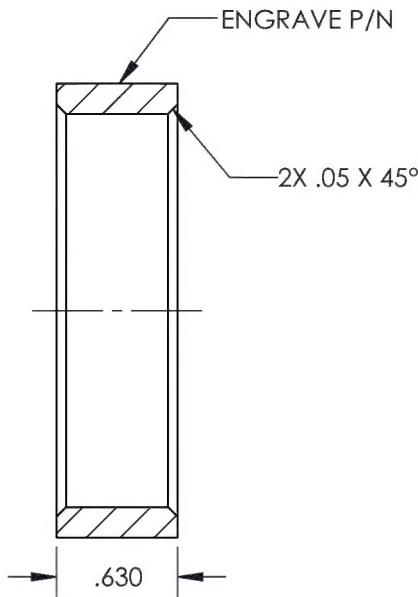
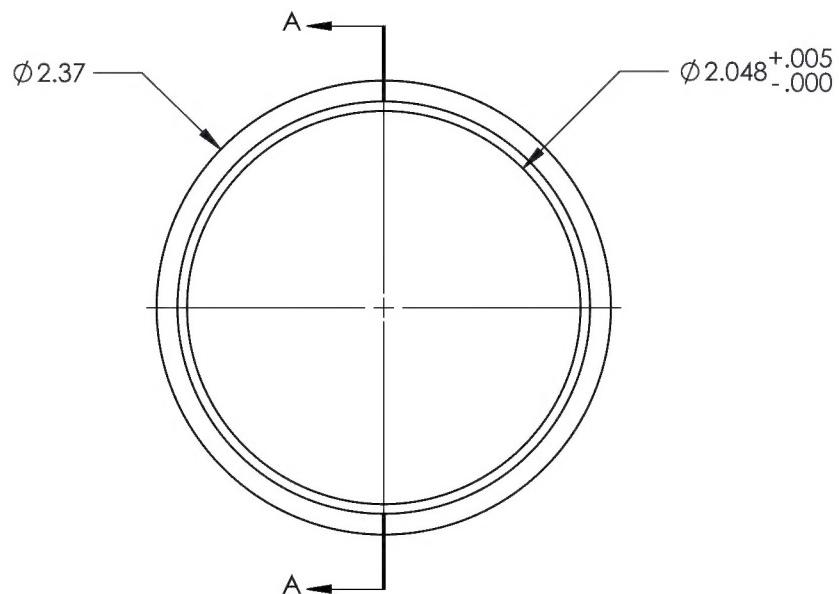
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING

3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

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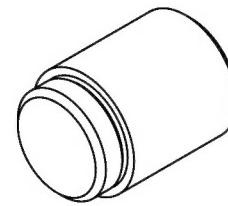
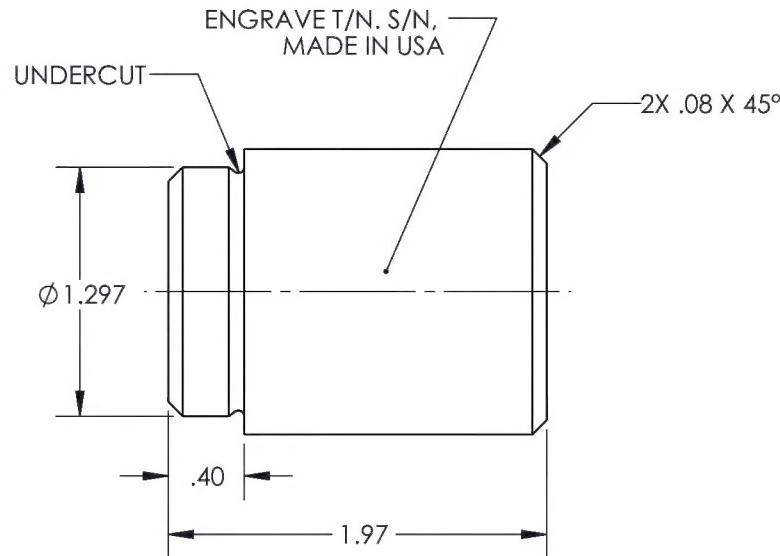
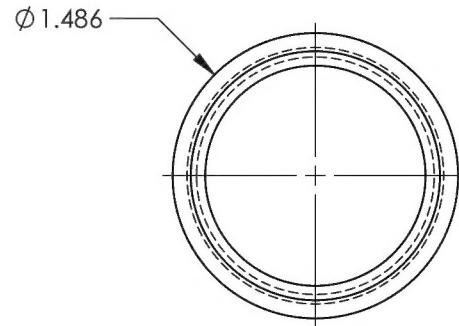
(-7)

RING

DART AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-7
REV	1
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
MAT'L	4140/4142 Q & T
HEAT	
TREAT	
FINISH	ZINC PLATE
SPEC	ASTM B633 TYPE I SC 2
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	EC145
SCALE	1:1
DATE	12/28/2015
SHEET 5 OF 9	

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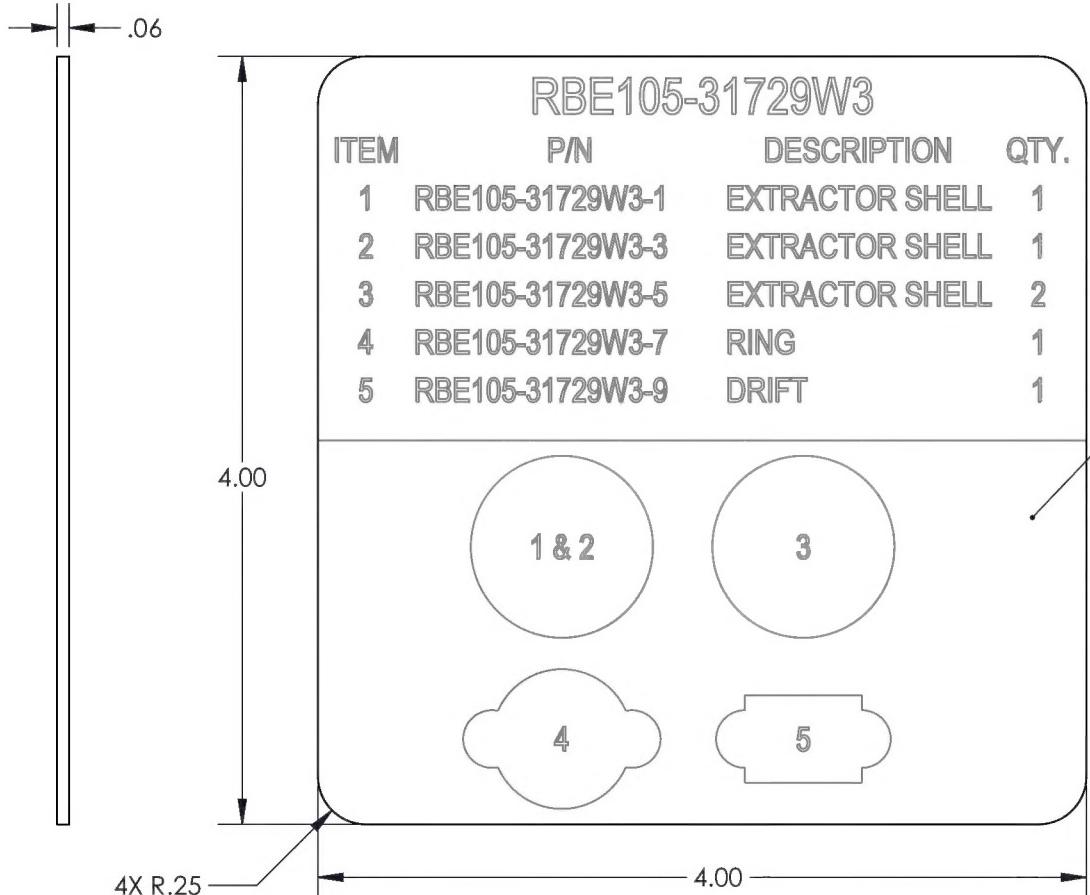
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TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-9
REV	1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
MATL	4140/4142
HEAT	RC 38-42
TREAT	
FINISH	ZINC PLATE
SPEC	ASTM B633 TYPE I SC 2
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
EC145	
SCALE	1:1
DATE	12/28/2015
SHEET 6 OF 9	

(-9)

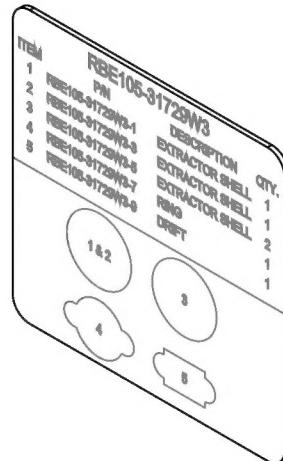
DRIFT

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BLACK BACKGROUND WITH  
WHITE LINES AND LETTERS



NOTE:  
USE PDF.

DART AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-11
REV	1
MATERIAL PLASTIC	
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:1
DATE	2/1/2016
USED ON MODEL	
EC145	
SHEET 7 OF 9	

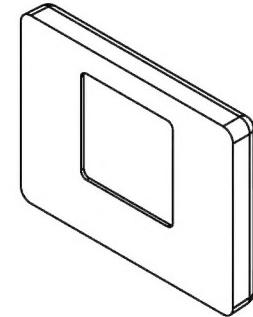
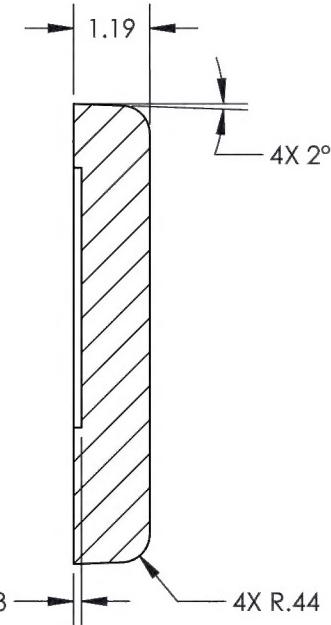
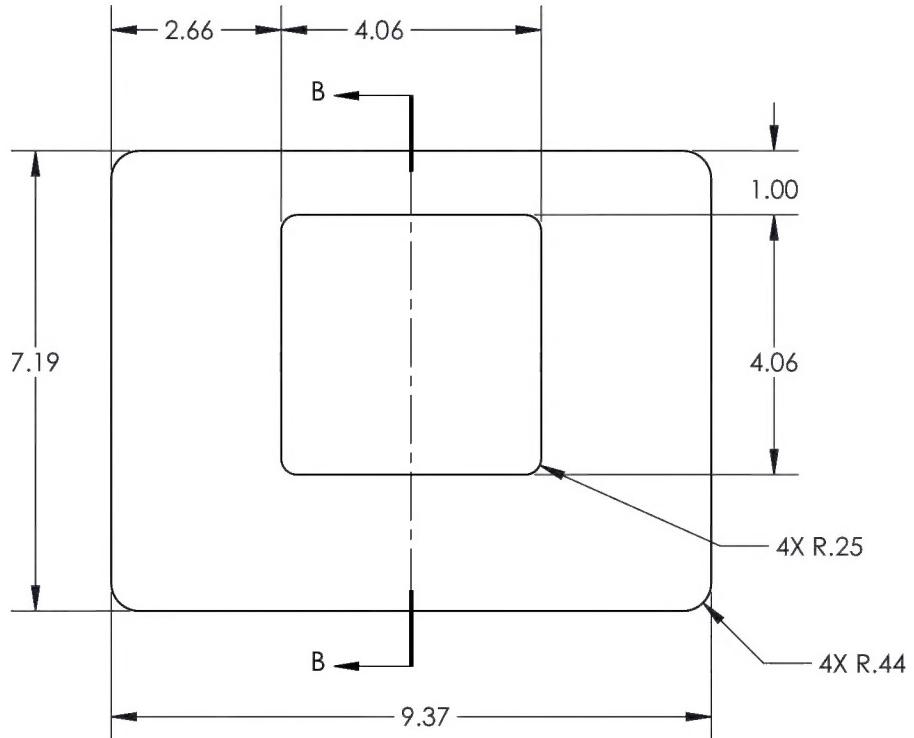
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .010 FRACTIONS ± 1/8  
.XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125 ✓  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

(-11)

LOCATION PLACARD

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(13)

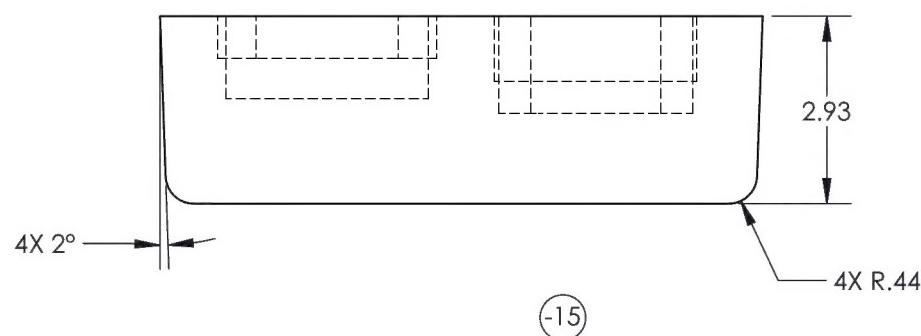
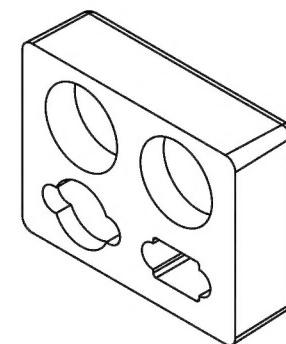
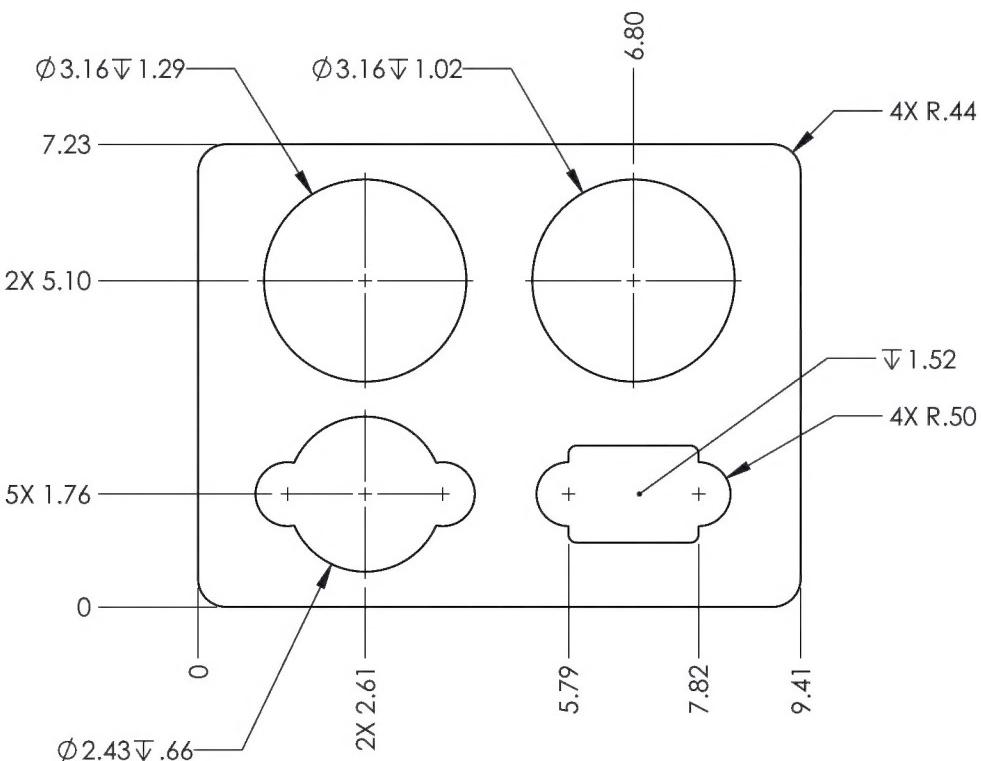
LID FOAM

TITLE	
EXTRACTOR ASSEMBLY	
DWG NO.	RBE105-31729W3-13
REV	1
MATERIAL Y20 BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
EC145	
SCALE	1:3
DATE	2/1/2016
SHEET 8 OF 9	

**DART**  
AEROSPACE

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
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BOTTOM FOAM

<b>DART</b> AEROSPACE	
TITLE	
EXTRACTOR ASSEMBLY	
DWG NO. RBE105-31729W3-15 REV 1	
MATERIAL Y20 BLACK UNLESS OTHERWISE SPECIFIED HEAT .XXX ± .010 FRACTIONS ± 1/8 TREAT .XX ± .03 ANGLES ± 1° FINISH X ± .1 SURFACES = 125 ✓	
SPEC DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT USED ON MODEL EC145	
SCALE 1:3	DATE 2/1/2016
SHEET 9 OF 9	